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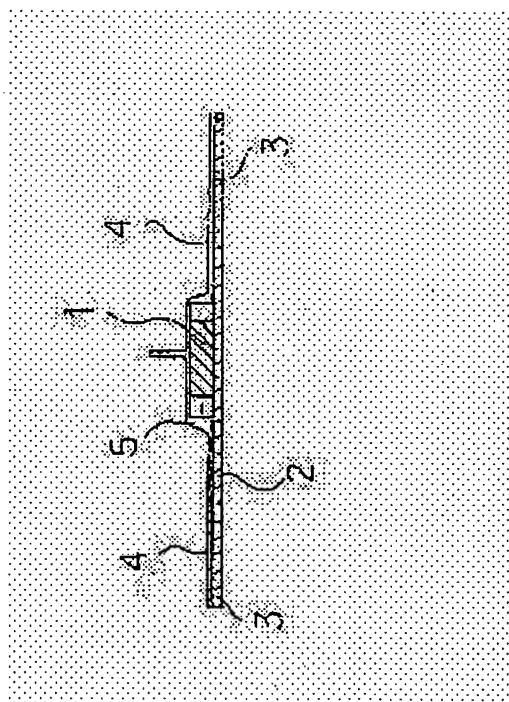
(54) HEMOSTATIC STICKING PLASTER

(57)Abstract:

PURPOSE: To obtain a hemostatic sticking plaster not almost dissolved in blood or body fluids by foaming a solution of gelatin and/or collagen and freeze-drying the same to form sponge and immersing the sponge in an org. solvent solution of a crosslinking agent and subsequently crosslinking the impregnated sponge to bond the same to a sticking tape.

CONSTITUTION: At first, gelatin and/or collagen are dissolved in water but, temp. is pref. set to 30-40°C in the case of gelatin, and to 20-40°C in the case of collagen, and pref. concn. is 5-30wt.%. Next, a surfactant is added to this solution to foam said solution under high speed stirring but the proper addition amount of the surfactant is 0.1-30% by wt. of the aqueous

solution. This foamed solution is cast in a mold or extruded into a cylindrical shape to be subjected to foam molding and freeze-dried to form sponge. This sponge is immersed in an org. solvent solution of a crosslinking agent and crosslinked to obtain a crosslinked sponge 1 which is, in turn, bonded to a sticking tape by a sticking agent or an adhesive. A release tape 4 is used in order to protect a sticking layer 3, the crosslinked sponge 1 and a water absorbable polymer layer 5 before use.



LEGAL STATUS

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